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cular gallery 3 meters wide, on the ground floor and first story, and affording complete shelter from the sun. The plan of construction adopted secures perfect ventilation and prevents suffering from heat. To the northeast of the building is a pavilion containing latrines.

(2) Five small brick buildings roofed with wood and tiles, each being 9 meters in length and 4 in width. Two of these buildings are used, one as a workshop for the manufacture of cement blocks, the other for the manufacture of sewer pipes. The first contains a hydraulic press, the second molds and models for tubing.

(3) Machine house. This building is 25 meters long by 20 wide and 12 high. It is constructed entirely of stone, the walls being 0.80 and 60 centimeters thick. The roof is iron, covered with brick. Ventilation is so carefully provided for that the temperature in the sections containing the distilling apparatus is lower than in the offices. On the south side of the building is an annex, 10 meters long by 7 wide, containing a "Mirrless" generator, a forge, and a repair shop. The machines are installed on the ground floor of the building, and comprise a refrigerating plant, pressure pumps, condenser, receivers for fresh and sea water, for use in condensing sulphuric acid, apparatus for the distillation of sea water (yarrand), a De Naeyer generator, a steam engine of 40 horsepower, a pump for feeding the two water receivers, and a steam saw. All the plant is worked by a transmitter set in motion by the motor attached to the ice plant. The kitchen opens on a wide and airy corridor. On the east and west fronts is a veranda 2 meters wide. On an elevation of 5 meters on the north front is a magnetic filter, through which water passes to the conduits. In the courtyard of the machine house is a small structure to receive kitchen refuse.

(4) A stone building constructed on a small hill overlooking the machine house and serving as a water tower and ice house. It contains 8 reservoirs of fresh water of 140 tons capacity and an ice machine of 60 tons capacity. The building is 16 meters long by 10 wide and the walls are more than 3 meters thick. All the buildings at Camaran are whitewashed as a protection against contact with the air, which would otherwise disintegrate the brick and stone.

The delegate of England, Dr. E. D. Dickson, protested against the establishment of a bacteriological laboratory at Camaran not only on account of the expense which it would entail but because in the present status of our knowledge of bacteriology a laboratory of bacteriology would in many cases furnish diagnoses at variance with the clinical symptoms observed and thus embarrass the regular course of restrictive measures in force at the lazaretto.

#### BARBADOS.

##### *Quarantine measures in West Indies against smallpox and yellow fever.*

BARBADOS, October 1, 1898.

SIR: I have to report as follows:

(1) This colony has imposed quarantine against the whole of Venezuela, and in addition, quarantine is in force here against Bahia, Cuba, Para, Rio Janeiro, and Santos.

(2) Guadeloupe has imposed a quarantine of nine days against Puerto Rico and New Orleans for yellow fever.

(3) The Leeward Islands have imposed quarantine against Lagwayra.

(4) St. Thomas has imposed a quarantine of fifteen days against Margarita for smallpox, and five days against Vera Cruz and Tampico (Mexico), for yellow fever.

(5) St. Vincent has imposed quarantine against Curaçoa, Margarita, and Colon. The administrator reported on 30th ultimo the health of that colony to be good, with the exception of diseases in consequence of injuries and exposure.

(6) The chairman of the St. Lucia quarantine board has kindly furnished the following reports since my circular of August 18 last :

Bahia: For the fourteen days prior to August 25, 5 cases yellow fever and 19 cases smallpox. For the fourteen days prior to September 10, 18 cases smallpox.

Buenos Ayres: To September 13, clean bills of health.

Montevideo: For the fortnight ended September 13, 1 case smallpox.

Rio Janeiro: For the fourteen days prior to August 27, 29 cases, 19 deaths, yellow fever; 3 cases, 1 death, smallpox. For the fortnight ended September 13, 20 cases, 14 deaths, yellow fever.

Santos: For the fourteen days prior to August 30, a few sporadic cases of yellow fever ashore. For the fortnight ended September 13, clean bill of health.

Victoria: For the fourteen days prior to August 25, clean bill of health.

The public health here is, I am glad to say, very good.

I have the honor to be, sir, your obedient servant,

JAS. SANDERSON,  
*Clerk, Quarantine Board.*

The SUPERVISING SURGEON-GENERAL,  
*U. S. Marine-Hospital Service.*

#### CUBA.

#### *Deaths in Habana from January 1 to October 13, 1898.*

HABANA, CUBA, October 13, 1898.

SIR: I have the honor to transmit the following statistical table, showing the principal causes of death and total deaths occurring in Habana, Cuba, from January 1 to October 13, inclusive.

Very respectfully,

W. F. BRUNNER,  
*Sanitary Inspector, U. S. M. H. S.*

The SUPERVISING SURGEON-GENERAL,  
*U. S. Marine-Hospital Service.*

#### *Mortality of the city of Habana from January 1 to October 13, inclusive.*

Diseases.	January.	February.	March.	April.	May.	June.	July.	August.	September.	Up to October 13.	Total.
Yellow fever.....	10	2	3	2	3	3	18	20	23	17	101
Enteric fever.....	67	31	48	45	43	57	87	127	136	69	710
Pernicious fever.....	39	35	24	14	11	9	41	41	38	57	309
Malarial fever.....	52	53	45	33	38	28	36	105	117	145	652
Dysentery.....	157	119	122	121	115	73	89	104	107	45	952
Enteritis.....	337	270	267	220	209	183	209	302	286	125	2,408
Diphtheria.....	.....	2	3	1	.....	1	2	1	2	.....	12
Smallpox.....	31	56	58	14	10	8	1	6	2	.....	186
Beriberi.....	4	1	.....	1	.....	.....	2	.....	1	.....	9
Leprosy.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Glanders.....	.....	1	2	.....	2	1	1	1	.....	.....	8
Starvation.....	26	2	6	10	15	12	37	49	44	.....	201
Pneumonia.....	32	24	30	41	23	19	26	25	21	14	255
Tuberculosis.....	255	233	253	209	255	190	232	247	258	111	2,243
Total of deaths.....	1,763	1,537	1,456	1,315	1,271	1,127	1,362	1,727	1,638	1,014	14,210